

Name: _____ Date: _____ Period: _____

Weekend Word Problem #4: Distributive Property

Situation: Joe, Chris, Anthony and Brian decide to go apple picking this weekend. Chris has twice as many apples as Joe. Anthony has six fewer apples than Chris. Brian has three times as many apples as Anthony.

1. Let n = the number of apples Joe has. Please write an expression for the number of apples Chris has using the variable n , integers and any necessary operations or parentheses.

2. Now, please write an expression for the number of apples Anthony has using the variable n , integers and any necessary operations or parentheses.

3. Next, please write an expression for the number of apples Brian has using the variable n , integers and any necessary operations or parentheses.

4. Finally, write an expression for the total number of apples Joe, Chris, Anthony and Brian have all together using the variable n , integers and any necessary operations or parentheses.

5. Please simplify the expression from #4.

6. Using algebraic terms, please explain how you created the expression for Brian's apples. Write at least THREE COMPLETE sentences.

7. Using algebraic terms, please explain how you SIMPLIFIED the expression completely (in #5). Write at least THREE COMPLETE sentences.
